Public Notice

US Army Corps of Engineers®

Nashville District

Public Notice No. **03-96** Date: **December 12, 2003**

Application No. **2003-01670**

Please address all comments to:
Nashville District Corps of Engineers, Regulatory Branch
(Attn: Kathleen J. Kuná)
3701 Bell Road, Nashville, TN 37214
kathleen.j.kuna@usace.army.mil

JOINT PUBLIC NOTICE
US ARMY CORPS OF ENGINEERS
AND
STATE OF TENNESSEE

SUBJECT: Proposed Channel Relocation, Restoration and Culvert Installation for the construction of Phase VI of the Keystone Subdivision in Williamson County, Tennessee

TO ALL CONCERNED: The application described below has been submitted for a Department of the Army Permit pursuant to **Section 404 of the Clean Water Act** (CWA). Before a permit can be issued, certification must be provided by the Tennessee Department of Environment & Conservation, pursuant to Section 401(a)(1) of the CWA, that applicable water quality standards will not be violated. By copy of this notice, the applicant hereby applies for the required certification.

APPLICANT: **D.J. and Jay, LLC**
105 Southeast Parkway, Suite 116
Franklin, TN 37064

LOCATION: Mile 0.95 of an Unnamed Tributary to the West Harpeth River at Mile 16.7 Right Bank. Phase VI of the Keystone Subdivision, off US Highway 31 (Columbia Pike) at the end of Masters Drive. USGS Quad Map Spring Hill (63-SW); Latitude N35°51'12", Longitude W86°53'48".

DESCRIPTION: The proposed action is the placement of fill associated with the following work along 595 linear feet (LF) of the unnamed tributary (see attached drawings):
Stream Reach 1: 1-55 LF culvert under Hunter Road
300 LF of stream restoration
Stream Reach 2: 245 LF of channel relocation
1-50 LF double driveway culvert
250 LF of stream restoration

1-84 LF culvert under Canary Court
The existing stream has been greatly impacted by farm use and siltation from upstream sources, which has reduced the channel widths and carrying capacity. Stream measurements were taken to determine the original stream morphology, which will be re-created both in the new relocated channel section and in the restored sections in both stream reaches. The new channel will be rerouted around the proposed roadway and back into the restored streambed. The new stream channel will be comparable in size and gradient to the original channel, and will contain one in stream log-drop structure to improve aquatic habitat. The stream banks will be revegetated with two rows of a variety of shrub and tree species. A rock-riffle structure will be constructed at the outlet of the existing pond to help stabilize water levels and reduce further erosion downstream.

Plans of the proposed work are attached to this notice.

The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b)(1) of the CWA (40 CFR Part 230). A permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental

effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

An Environmental Assessment will be prepared by this office prior to a final decision concerning issuance or denial of the requested Department of the Army Permit.

The National Register of Historic Places has been consulted and no properties listed in or eligible for the National Register are known which would be affected by the proposed work. This review constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the permit area. Copies of this notice are being sent to the office of the State Historic Preservation Officer.

Based on available information, the proposed work will not destroy or endanger any federally-listed, threatened, or endangered species or their critical habitats, as identified under the Endangered Species Act. Therefore, we have reached a no effect determination and initiation of formal consultation procedures with the U.S. Fish and Wildlife Service is not planned at this time.

Other federal, state, and/or local approvals required for the proposed work are as follows:

Water quality certification from the state of Tennessee Department of Environmental Conservation (TDEC) in accordance with Section 401(a)(1) of the CWA.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Written statements received in this office on or before January 12, 2004, will become a part of the record and will be considered in the determination. Any response to this notice should be directed to the Regulatory Branch, Attention: Kathleen Kuná, at the above address, telephone (615) 369-7506.

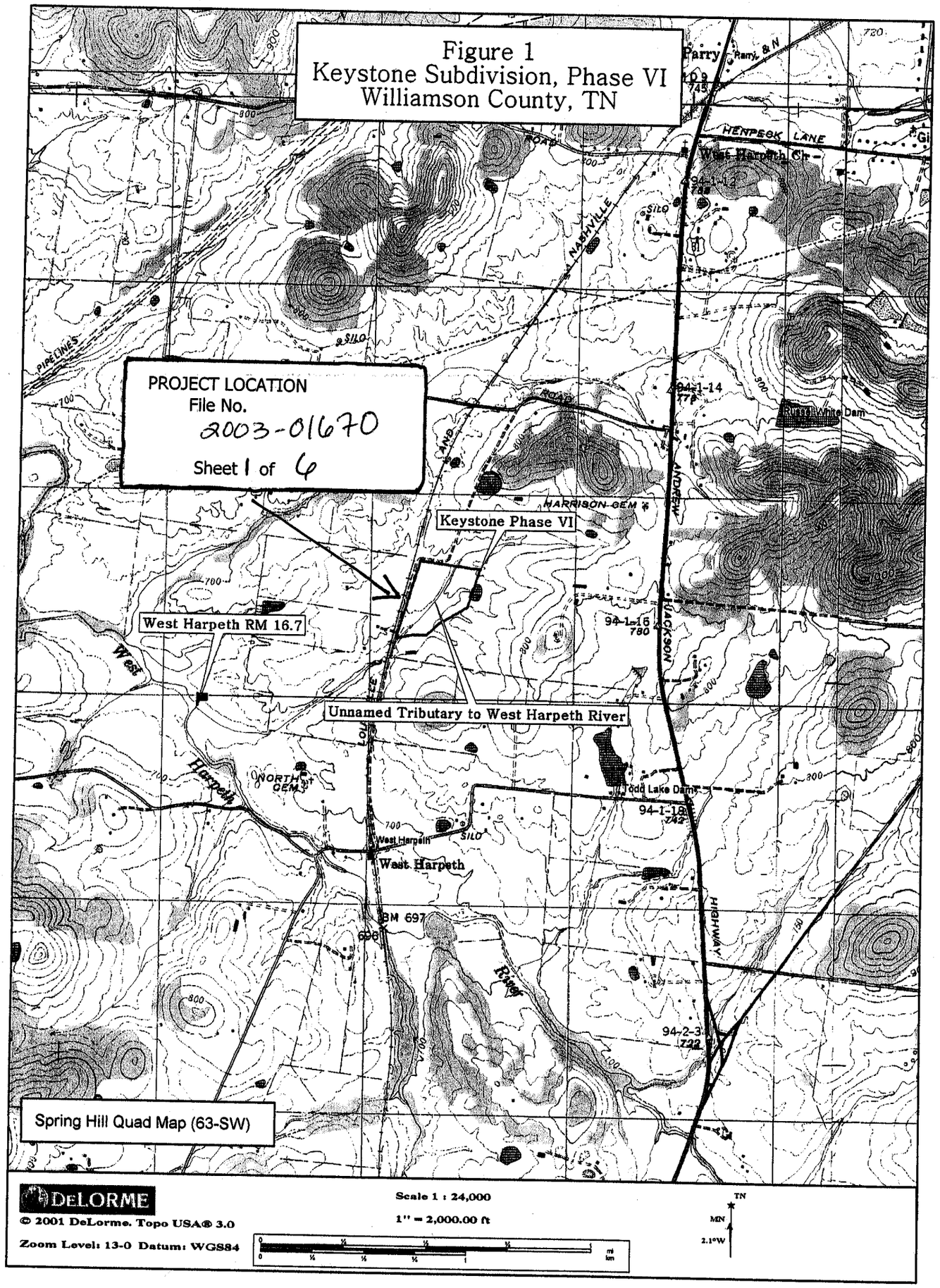
Figure 1
Keystone Subdivision, Phase VI
Williamson County, TN
PROJECT LOCATION
File No.
2003-01670
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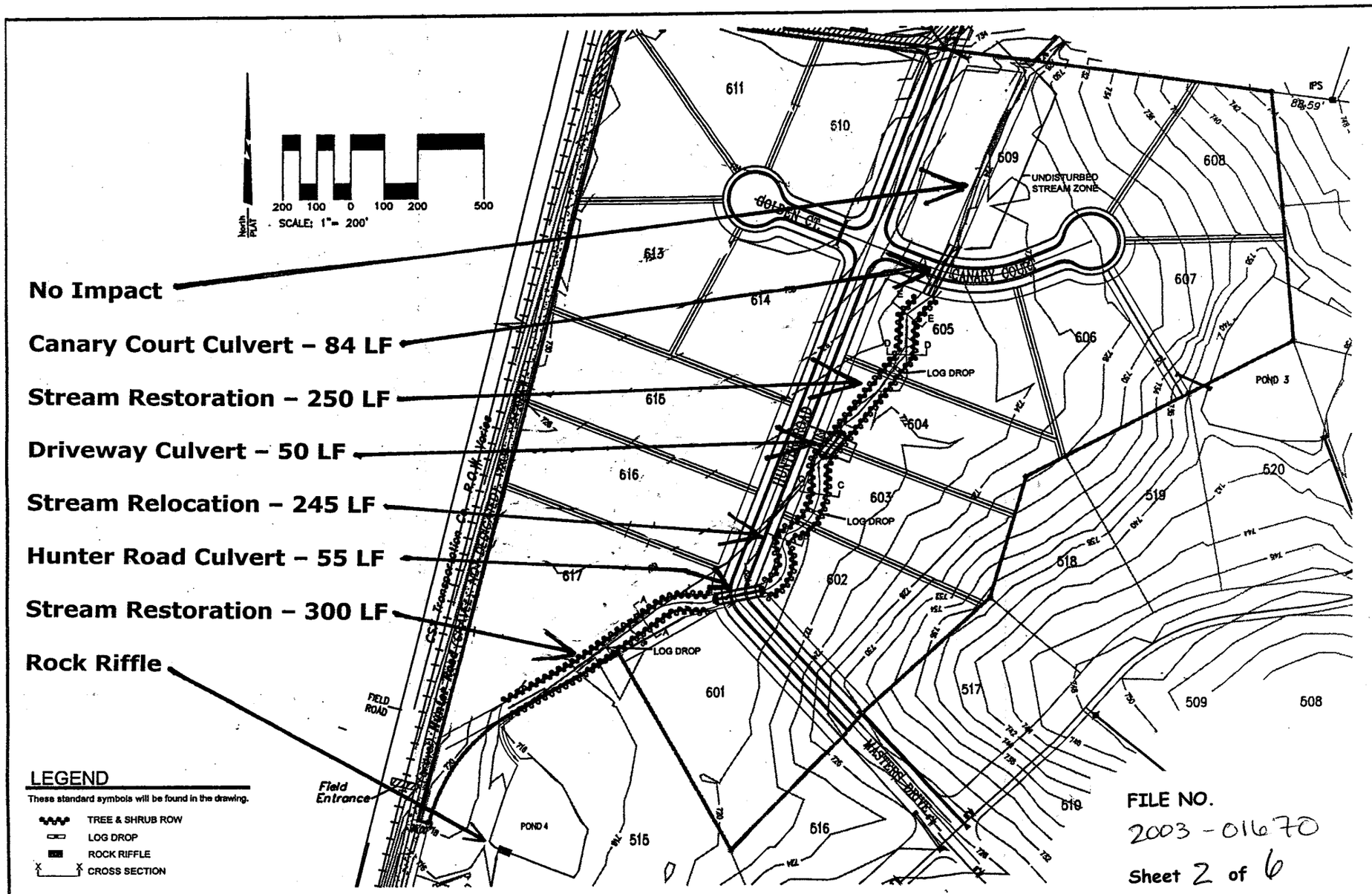
Keystone Phase VI
West Harpeth RM 16.7
Unnamed Tributary to West Harpeth River
Spring Hill Quad Map (63-SW)
DeLORME
© 2001 DeLorme. Topo USA® 3.0
Zoom Level: 13-0 Datum: WGS84
Scale 1 : 24,000
1" = 2,000.00 ft
TN
MN
2.1°W



FILE NO.
2003-01670

Sheet 2 of 6

CEC PROJECT NUMBER 231516	DATE: 11-11-03	KEYSTONE SUBDIVISION	Civil & Environmental Consultants, Inc.
SHEET 4 OF 4	DWN. BY: CSW	FRANKLIN, TN	624 Grassmere Park Drive, Nashville, TN 37211
	CHKD. BY: JD		(615) 333-7797 (800) 763-2326
	SCALE: AS NOTED		Pittsburgh, PA Cincinnati, OH Columbus, OH Indianapolis, IN Chicago, IL Export, PA St. Louis, MO

LEGEND

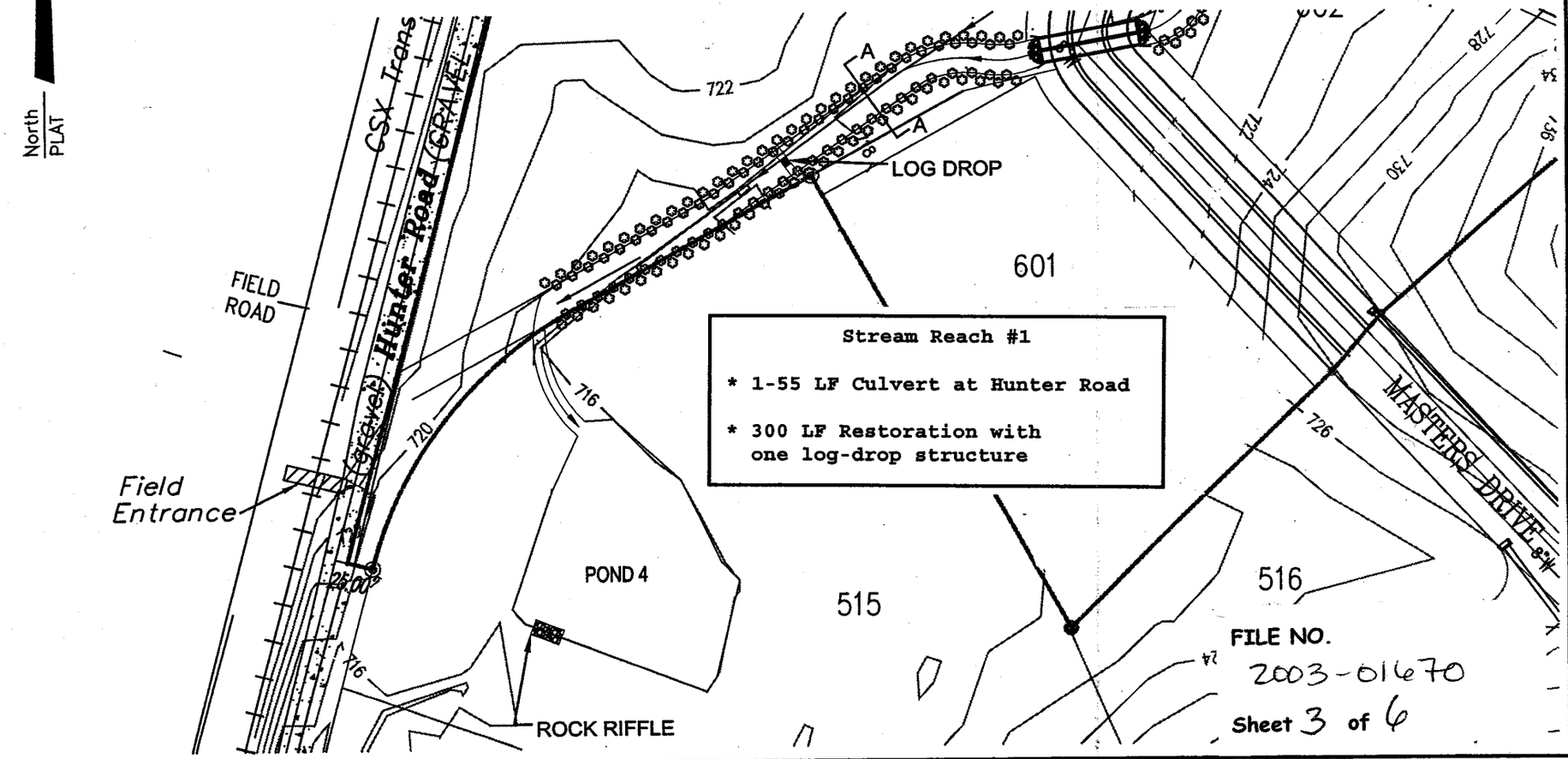
These standard symbols will be found in the drawing.

- TREE & SHRUB ROW
- LOG DROP
- ROCK RIFFLE
- X X CROSS SECTION

0 20 40 60 80 100 200 300

SCALE : 1" = 100'

North PLAT



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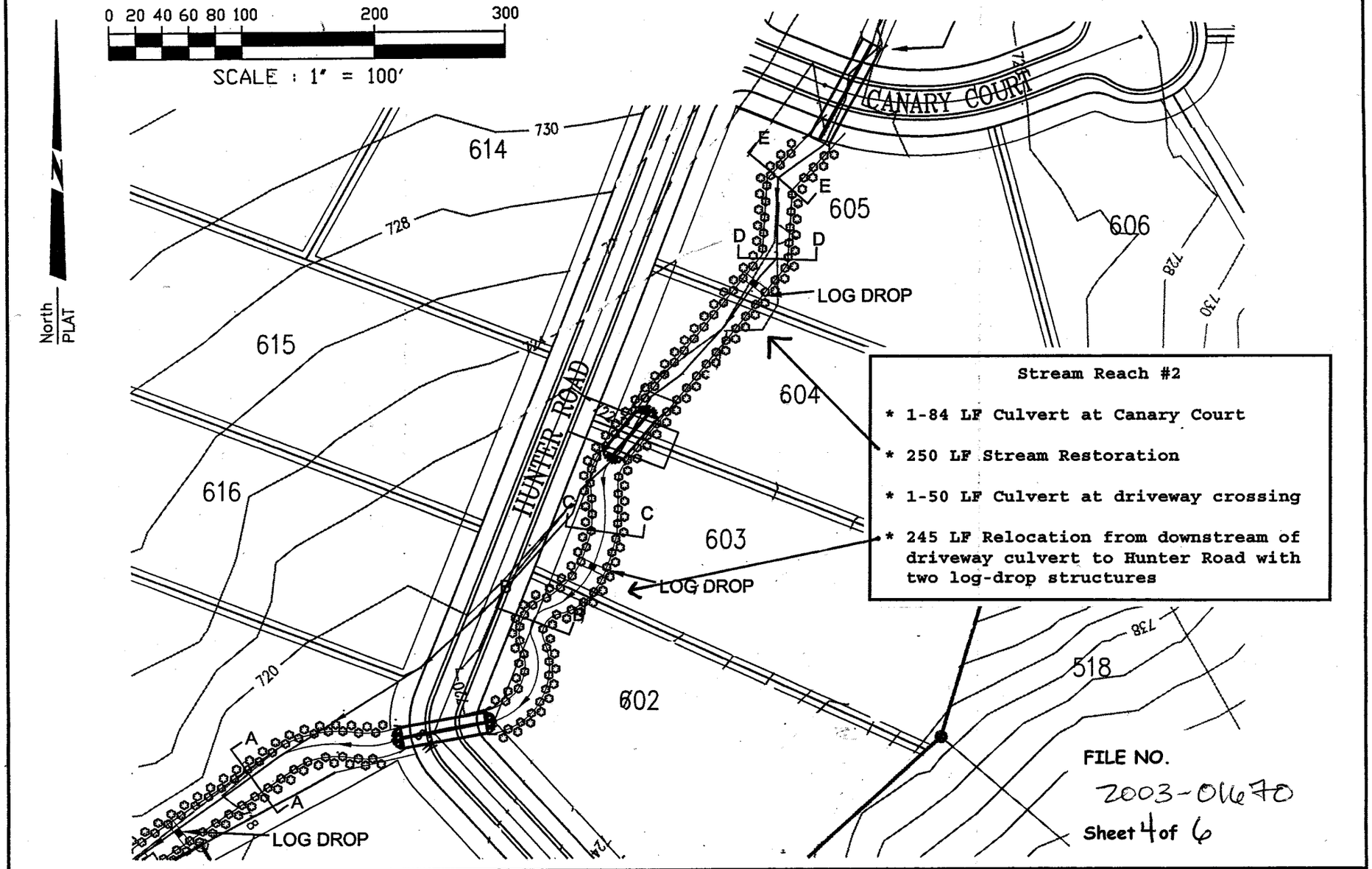

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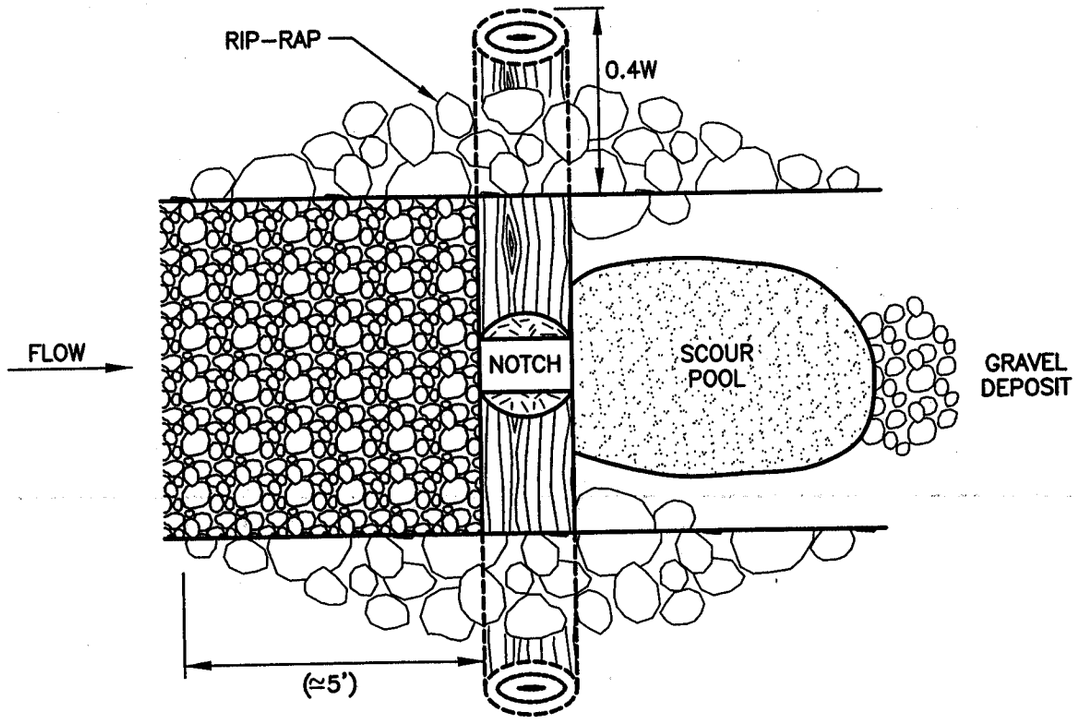

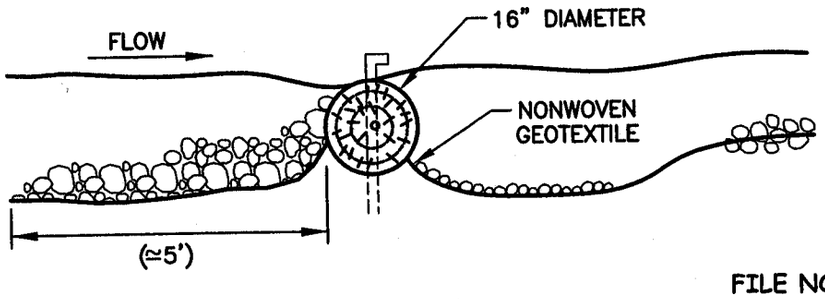

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LOG DROP

1. IF POSSIBLE, SYCAMORE OR OTHER ROT RESISTANT LOG, MINIMUM 16" IN DIAMETER.
2. THE LOGS SHOULD BE ANCHORED AT LEAST 0.4x WIDTH INTO THE STREAMBANK. IF THE WIDTH IS LESS THAN THAN 2.4m (8ft.), EACH LOG SHOULD BE ANCHORED 1–1.5m (3.3–5ft.) INTO THE THE BANK.
3. THE END SHOULD BE BACKFILLED WITH ROCK AND EXCAVATED MATERIAL. THE BACKFILL MUST BE ARMORED WITH APPROPRIATELY SIZED ROCK TO PREVENT EROSION.
4. A NOTCH SHOULD BE CUT INTO THE TOP CENTER OF THE LOG TO CONCENTRATE LOW FLOW.
5. LOG DROP STRUCTURES PLACED IN SERIES IN THE SAME STREAM REACH SHOULD BE CONSTRUCTED SUCH THAT THE TOP OF THE DOWNSTREAM LOG IS PLACED AT THE SAME LEVEL OR LOWER THAN THE BOTTOM OF THE UPSTREAM LOG.
6. DROP STRUCTURES ARE TO BE LOCATED IN NON–RIFFLE AREAS WHERE BANK HEIGHT IS AT LEAST 18" IN HEIGHT.

CEC PROJECT NUMBER	DATE:	11–11–03
231516	DWN. BY:	KLU
	CHKD. BY:	JD
FIGURE 3	SCALE:	N.T.S.

Civil & Environmental Consultants, Inc.
624 Grassmere Park Drive
Nashville, TN 37211
(615) 333–7797 (800) 763–2326
Pittsburgh, PA Cincinnati, OH Columbus, OH
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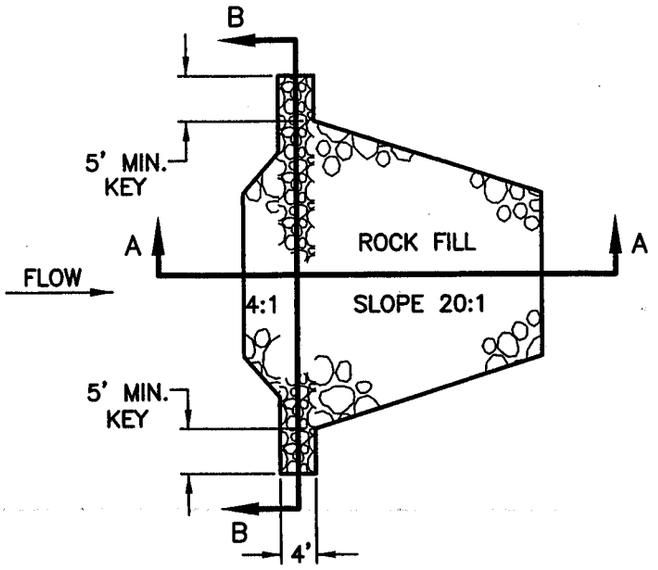
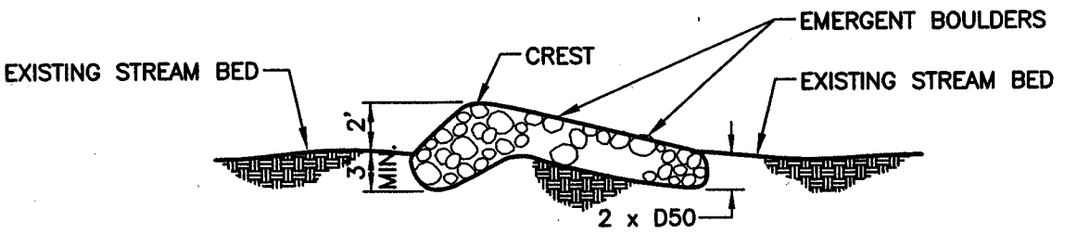
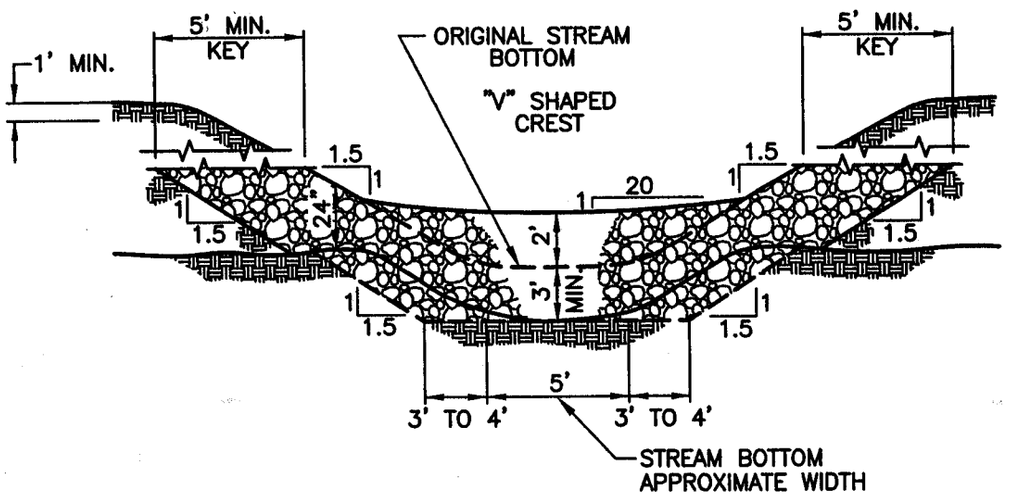




SECTION "A"



SECTION "B"

ROCK RIFFLE

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INSTALLED WITHIN AND EXTENDING BELOW THE BREACHED DAM.

CEC PROJECT NUMBER	231516
FIGURE 4	

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CHKD. BY:	JD
SCALE:	N.T.S.

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